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DECLARATION

I, Manfred Groner, Dr. sc. nat. ETH, European Patent Attorney, working with Isler & Pedrazzini AG, do hereby solemnly and sincerely declare:

THAT I am conversant with the German and English languages; and

THAT to the best of my knowledge and belief the attached document is a true and correct translation from German into English of Swiss Patent Application No. 459/99 filed March 11, 1999 in the name of Paul Schweizer.

Signed this 18th day of December 2006

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Clothes Hanger

This invention relates to a clothes hanger with a hook and two arms projecting from it.

- 15 The object of the invention is to create a clothes hanger that preserves the shape of the articles of clothing hung on it and can nevertheless be manufactured very economically.

The invention teaches that this object can be accomplished by a clothes hanger of the type described above in which each of the arms is formed by a bottle-shaped container.

- 20 Beverage bottles, among other things, have an essentially cylindrical shape with rounded edges and are extremely well-suited as supports for clothes. The drinking bottles provide a seamless and very protective support for articles of clothing. Used plastic beverage bottles are particularly well suited for use as the bottle-shaped containers. These bottles are very lightweight and yet retain their shape very well. The clothes hanger claimed by the
25 invention is therefore particularly well suited for the recycling of used beverage

bottles. The used beverage bottles simply need to be cleaned, which means that the recycling process consumes very little energy.

In one development of the invention, each of the bottle-shaped containers is fastened by means of its mouth to the hook. A fastening of this type is particularly simple and stable if the hook has a thread for each bottle-shaped container and each of the bottle-shaped containers is screwed into one of these threads by means of its mouth. The bottle-shaped containers can then be fastened to the hook and removed from it very easily. The hook need only be provided with two threads. Because threads of this type are standard on beverage bottles, a great many different types of beverage bottles can be used.

The hook can be manufactured very economically in the form of an injection molded plastic part. Other materials can also be used, however, such as iron, wood and similar materials. The hook can also be provided with a wire loop.

Clothes hangers as taught by the invention are also well suited for use as advertising media.

The invention also relates to a hook for a clothes hanger. This hook is characterized by two fastening means that are provided for the fastening of two bottle-shaped containers. Because beverage bottles can be found in almost every household, the manufacture of the clothes hanger can be limited to the manufacture of the hook. The arms

are then manufactured by the user, by fastening his or her own beverage bottles. The user can replace these arms with other bottle-shaped containers as necessary. Hangers of different sizes can be created by using different sizes of bottles. For transport, the size of the hanger can be reduced by removing the bottles.

One exemplary embodiment of the clothes hanger taught by the invention is described in greater detail below and is illustrated in the accompanying drawings, in which:

- Figure 1 is a view of a clothes hanger as claimed by the invention with an article of clothing indicated in broken lines,
- Figure 2 is a schematic illustration of the fastening of a beverage bottle to a hook
- Figure 3 is a view of a hook in partial cross section,
and
- Figure 4 is a view of the hook in the direction indicated by Arrow IV in Figure 3.

Figure 1 shows a jacket 5 which is hung on a clothes hanger 1. This clothes hanger 1 consists essentially of a hook 2 and two bottle-shaped containers 4 which are fastened to said hook.

To fasten the bottle-shaped containers to the hook 2, the hook 2, as shown in Figure 3, has two threads 12 which are formed by threaded caps 11, each of which is inserted into a recess 10 of a fastening part 3 of the hook. The covers 11 are fastened in the recesses 10 in a suitable manner such as by locking, latching and/or by means of a suitable adhesive or by welding. The thread 12 can also be formed directly on the fastening part 3, however. The hook 2 can be a single-story injection molded part, for example.

Each of the bottle-shaped containers 4 is screwed by means of a thread 8 on its mouth 7 in the direction indicated by the arrow 9 onto one of the two threads 12 as illustrated in Figure 2. The threads 12 are opposite each other and are oriented so that the two bottle-shaped containers 4 fastened to the hook 2 are at an appropriate angle to each other, which angle is preferably greater than 90 degrees. The fastening of the bottle-shaped containers 4 to the hook 2 is preferably although not necessarily detachable. The threaded connection shown here can also be replaced by other suitable connections, such as snap connections or locking connections.

The hook 2 is preferably made of plastic using the injection molding process. The curve 6 of the hook 2, however, can

also be a curve made of wire or a similar material. It is also conceivable that the hook can be made of wood or another suitable material.

Claims

1. Clothes hanger with a hook (2) and two arms projecting from it, characterized by the fact that the arms are each formed by a bottle-shaped container (4).
2. Hanger as claimed in Claim 1, characterized by the fact that each of the bottle-shaped containers (4) is fastened by means of its mouth (7) to the hook (2).
3. Hanger as claimed in Claim 2, characterized by the fact that the bottle-shaped containers (4) are each detachably fastened to the hook (2).
4. Hanger as claimed in Claims 2 or 3, characterized by the fact that the hook (2) has a thread (8) for each bottle-shaped container (4), and each of the bottle-shaped containers (4) is screwed into one of these threads (12) by means of its mouth (7).
5. Hanger as claimed in one of the Claims 1 to 4, characterized by the fact that the bottle-shaped containers (4) are plastic bottles, in particular beverage bottles made of plastic.
6. Hanger as claimed in one of the Claims 1 to 5, characterized by the fact that a fastening part (3) for the detachable fastening of the bottle-shaped containers (4) is located on the lower end of the hook (2).

7. Hanger as claimed in Claim 6, characterized by the fact that two screw caps (11) are inserted into the fastening part (3), into each of which bottle caps a bottle-shaped container (4) is screwed.
8. Hook for a hanger, characterized by two fastening means (3), each of which is provided for the fastening of a bottle-shaped container (4).
9. Hook as claimed in Claim 8, characterized by the fact that each of the fastening means (3) has a thread (12).
10. Hook as claimed in Claim 9, characterized by the fact that it is manufactured in the form of a plastic injection molded part.

Fig. 1

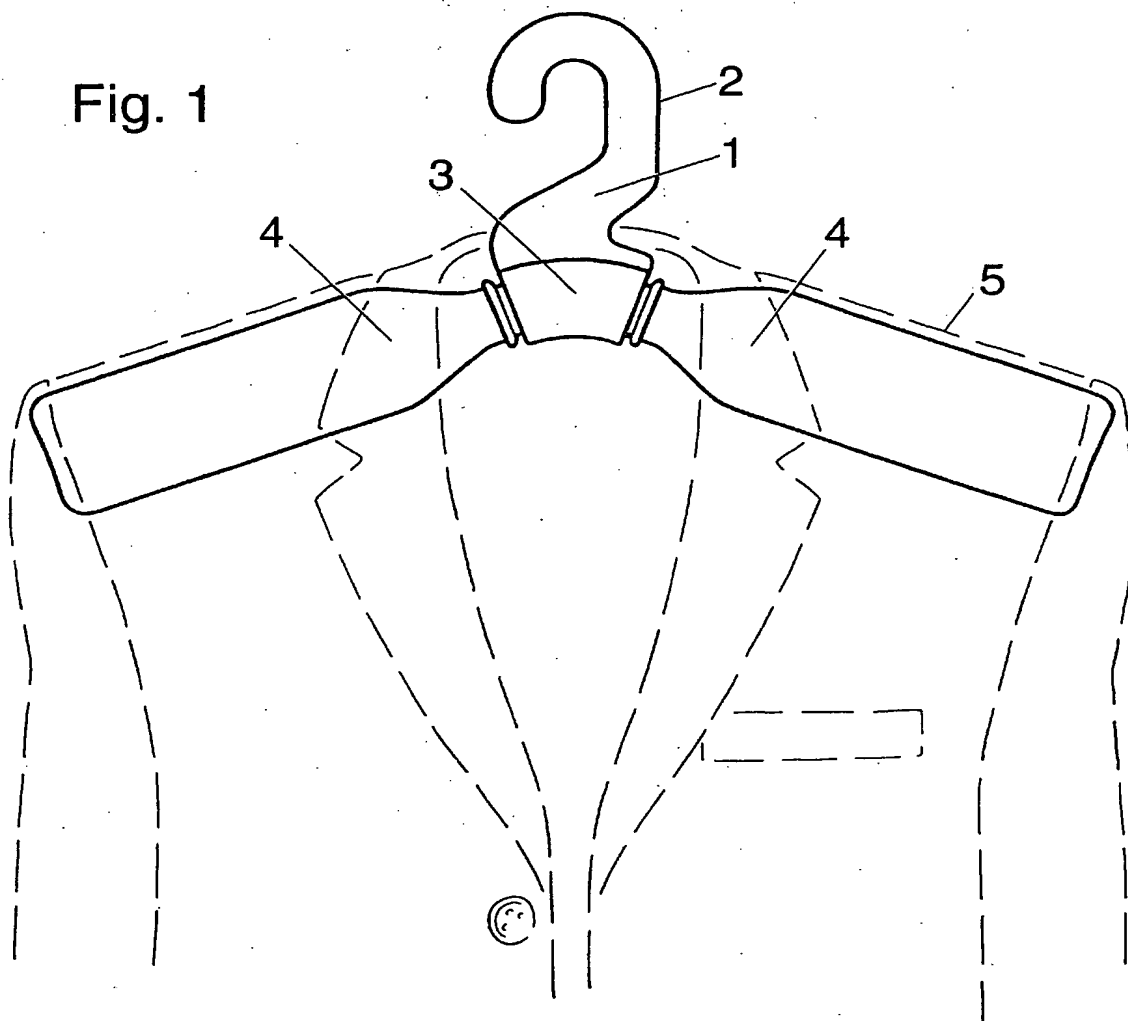


Fig. 2

